

## A prompt report of geomagnetic observation and archaeomagnetic research in Thailand

# Toshihiko Iyemori[1]; Michio Hashizume[2]; Masahito Nose[3]; Heather McCreddie[4]; Praon Silapanth[2]; Nithiwatthn Choosakul[5]; Akkaneewut Chabangborn[5]; Desheng Han[6]

[1] WDC-C2 for Geomag., Kyoto Univ.; [2] Chulalongkorn Univ.; [3] DACGSM, Kyoto Univ.; [4] WDC for Geomag, Kyoto; [5] Chulalongkorn University; [6] Earth and Planetary Sci., Kyoto Univ

<http://swdcwww.kugi.kyoto-u.ac.jp/>

As a part of the Kyoto University Active Geosphere Investigations for the 21st Century COE Program, we began geomagnetic observations at Phimai in January 2004 and archaeomagnetic investigation in Thailand. We measured the orientation of the old and large temples and ponds in the region and found evidence which supports the large westward declination of about 15 degrees recorded around the 11-12 centuries at a temple in China. We found that some of the sites are declined westward about 10-15 degrees. If this declination comes from the use of a compass, it is consistent with the old Chinese observations. We will also show the results of measurements at different temples in built in different eras.